



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Region 2 Laboratory  
2890 Woodbridge Avenue  
Edison , New Jersey 08837  
732-906-6886 Phone  
732-906-6165 Fax**

February 17, 2012

Stevie Wilding  
US EPA Region 3 Environmental Science Center  
701 Mapes Road  
Fort Meade, MD 20755

RE: Dimock Residential GW Site- 1201028

Enclosed are the results of analyses for samples received by the laboratory between 01/25/2012 and 02/16/2012. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1201028 and contact John Birri by phone at 732-906-6886, or via Email at [birri.john@epa.gov](mailto:birri.john@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Bourbon", is written over a horizontal line.

John R. Bourbon  
Chief, DESA/LB



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Project: Dimock Residential GW Site- 1201028

Project Number: 1201028

**Project Narrative:**

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

**Condition Comments**

None

**Comment(s):**

None

**Data Qualifier(s):**

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

**Reporting Limit(s):**

The Laboratory was able to achieve the appropriate limits for each analyte requested.



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SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB01	1201028-01	Aqueous	01/23/2012 14:42	01/25/2012 10:30
HW19	1201028-02	Aqueous	01/23/2012 17:47	01/25/2012 10:30
HW19-P	1201028-03	Aqueous	01/23/2012 19:07	01/25/2012 10:30
FB02	1201033-01	Aqueous	01/24/2012 12:11	01/26/2012 10:30
FB03	1201033-02	Aqueous	01/25/2012 10:01	01/26/2012 10:30
HW01	1201033-03	Aqueous	01/25/2012 16:31	01/26/2012 10:30
HW02	1201033-04	Aqueous	01/25/2012 12:58	01/26/2012 10:30
HW02z	1201033-05	Aqueous	01/25/2012 12:59	01/26/2012 10:30
HW04	1201033-06	Aqueous	01/24/2012 14:33	01/26/2012 10:30
HW08a	1201033-07	Aqueous	01/25/2012 11:46	01/26/2012 10:30
FB04	1201037-01	Aqueous	01/26/2012 09:13	01/27/2012 12:30
HW05	1201037-02	Aqueous	01/26/2012 11:35	01/27/2012 12:30
HW06	1201037-03	Aqueous	01/26/2012 15:30	01/27/2012 12:30
HW012	1201037-04	Aqueous	01/26/2012 13:23	01/27/2012 12:30
HW014	1201037-05	Aqueous	01/26/2012 17:13	01/27/2012 12:30
HW014-P	1201037-06	Aqueous	01/26/2012 19:15	01/27/2012 12:30
FB05	1201040-01	Aqueous	01/27/2012 09:40	01/30/2012 08:15
HW17	1201040-02	Aqueous	01/27/2012 11:40	01/30/2012 08:15
HW24	1201040-03	Aqueous	01/27/2012 12:09	01/30/2012 08:15
HW24-P	1201040-04	Aqueous	01/27/2012 13:18	01/30/2012 08:15
FB06	1201042-01	Aqueous	01/30/2012 09:30	01/31/2012 08:00
HW13	1201042-02	Aqueous	01/30/2012 11:23	01/31/2012 08:00
HW18	1201042-03	Aqueous	01/30/2012 11:27	01/31/2012 08:00
HW18-P	1201042-04	Aqueous	01/30/2012 11:52	01/31/2012 08:00
HW20	1201042-05	Aqueous	01/30/2012 16:12	01/31/2012 08:00
HW20-P	1201042-06	Aqueous	01/30/2012 11:52	01/31/2012 08:00
HW25-P	1201042-07	Aqueous	01/30/2012 15:32	01/31/2012 08:00
FB07	1202001-01	Aqueous	01/31/2012 14:15	02/01/2012 10:30
HW26	1202001-02	Aqueous	01/31/2012 10:26	02/01/2012 10:30



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Analysis: Surfactants (MBAS)  
Preparation Method: MBAS Extraction  
Batch ID: B201089  
Matrix: Aqueous

Prepared by: DK  
Prepared on: 01/25/2012

Standards and Reagents		
Standard	Description	Exp Date
D2A1811	Methylene Blue Reagent	01/17/2014
D2A1814	Wash Solution, MBAS	01/17/2014
D2A1817	Phenolphthalein Indicator solution	01/17/2014
D2A2526	MBAS AQC, ERA P180-776 Dil.	01/24/2014
D2A2527	MBAS Intermediate Std., 10.0 mg/L	01/24/2014
D2A2705	Chloroform	01/26/2014

Project Name	Sample ID	Chloride value	Spike ID	Source ID
Unmet Remediation Site, 1201028	1201028-01	<300		
	1201028-02	<300		
	1201028-03	<300		
	B201089-BS1	na	D2A2526	
	B201089-BS2	na	D2A2526	
	B201089-MS1	<279	D2A2527	1201028-02



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1/25/2012

Spectrophotometer Checklist for BATCH B201089

Dimock Residential GW Site- 1201028 1201028	<u>Analysis</u> Surfactants (MBAS)	<u>Matrix</u> Aqueous
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Method criteria

		<u>Analyst Initials</u>	<u>Date</u>
Analysis performed within holding time?	YES *	DK	01/25/2012
Samples for COD and sulfide analysis preserved accordingly? Narrative written if necessary?	NA	DK	01/25/2012

Calibration criteria

		<u>Analyst Initials</u>	<u>Date</u>
Initial calibration includes a minimum of 5 standards and a blank?	YES	DK	01/25/2012
Correlation coefficient greater than or equal to 0.995?	YES	DK	01/25/2012

Blank spike QC

		<u>Analyst Initials</u>	<u>Date</u>
LCS recovery within acceptance criteria?	YES *	DK	01/25/2012
LCS's analyzed at the required frequency?	YES *	DK	01/25/2012
LCS RPD less than or equal to 20?	YES *	DK	01/25/2012

Matrix spike QC

		<u>Analyst Initials</u>	<u>Date</u>
Matrix spikes performed at the required frequency?	YES *	DK	01/25/2012
Matrix spike recovery within acceptance criteria?	YES *	DK	01/25/2012
If no, is analyte concentration > 1.0 X the spike concentration?	NA	DK	01/25/2012

Continuing calibration

		<u>Analyst Initials</u>	<u>Date</u>
ICV/CCV and ICB/CCB analyzed every 10 samples and at the end of the run?	YES	DK	01/25/2012
ICV/CCV recoveries within 10% of the true value?	YES	DK	01/25/2012
ICB/CCB result less than the reporting limit?	YES	DK	01/25/2012

Data review

Analyst Initials      Date

\* = Automated Response from Promium



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1/25/2012

Spectrophotometer Checklist for BATCH B201089

<b>Dimock Residential GW Site- 1201028</b> <b>1201028</b>	<u><b>Analysis</b></u> <b>Surfactants (MBAS)</b>	<u><b>Matrix</b></u> <b>Aqueous</b>
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Was data peer reviewed?

YES \*

JH

01/25/2012

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